

FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.: BSC-009DV

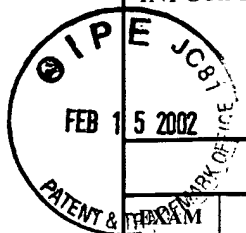
APPLICANT: Crowley

SERIAL NO.: 09/879,433

FILING DATE: June 12, 2001

U.S. PATENT DOCUMENTS

INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>dm</i>	A1	2,002,559	05/28/35	Wappler		
<i>dm</i>	A2	2,583,937	01/29/52	Fossati		
<i>dm</i>	A3	3,176,114	03/30/65	Kneisley		
<i>dm</i>	A4	3,469,685	10/23/67	Baermann		
<i>dm</i>	A5	3,593,706	7/20/71	Schubert		
<i>dm</i>	A6	4,197,944	4/15/80	Catlin		
<i>dm</i>	A7	4,233,493	11/11/80	Nath		
<i>dm</i>	A8	4,274,706	06/23/81	Tangonan		
<i>dm</i>	A9	4,289,966	09/15/81	Roberts		
<i>dm</i>	A10	4,340,307	07/20/82	Diamond et a.		
<i>dm</i>	A11	4,349,031	9/14/82	Perlin		
<i>dm</i>	A12	4,472,728	09/18/84	Grant et al.		
<i>dm</i>	A13	4,528,986	7/16/85	Arurudel et al.		
<i>dm</i>	A14	4,535,233	8/13/85	Abraham		
<i>dm</i>	A15	4,541,272	09/17/85	Bause		
<i>dm</i>	A16	4,548,505	10/22/85	Ono		
<i>dm</i>	A17	4,556,057	12/03/85	Hiruma et al.		
<i>dm</i>	A18	4,560,286	12/24/85	Wickersheim		
<i>dm</i>	A19	4,565,974	01/21/86	Smoot		
<i>dm</i>	A20	4,566,057	12/03/85	Hinima et al.		
<i>dm</i>	A21	4,570,638	2/18/86	Stoddart et al.		
<i>dm</i>	A22	4,578,061	03/25/86	Lemelson		
<i>dm</i>	A23	4,623,786	11/18/86	Rodwell		
<i>dm</i>	A24	4,672,972	06/16/87	Berke		
<i>dm</i>	A25	4,674,093	06/16/87	Angerstein et al.		

EXAMINER *dm*DATE CONSIDERED *September 25, 2002*

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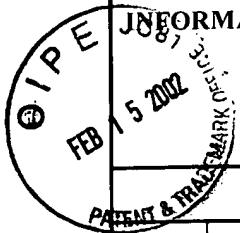
FILING DATE: June 12, 2001

U.S. PATENT DOCUMENTS

EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
dm	A26	4,718,417	01/12/88	Kittrell <i>et al.</i>	11	11	
dm	A27	4,750,216	06/07/88	Boyce	11	11	
dm	A28	4,768,513	9/6/88	Suzuki	11	11	
dm	A29	4,782,819	11/8/88	Adair	11	11	
dm	A30	4,798,956	1/17/89	Hochstein	11	11	
dm	A31	4,803,992	02/14/89	Lemelson	11	11	
dm	A32	4,813,790	03/21/89	Frankel <i>et al.</i>	11	11	
dm	A33	4,821,117	4/11/89	Sekiguchi	11	11	
dm	A34	4,850,043	07/18/89	Winston	11	11	
dm	A35	4,872,458	10/10/89	Kanshira <i>et al.</i>	11	11	
dm	A36	4,882,482	11/21/89	Smith <i>et al.</i>	11	11	
dm	A37	4,882,623	11/21/89	Uchikubo	11	11	
dm	A38	4,888,562	12/19/89	Edler	11	11	
dm	A39	4,894,547	1/16/90	Leffell <i>et al.</i>	11	11	
dm	A40	4,895,138	1/23/90	Yabe	11	11	
dm	A41	4,895,156	01/23/90	Schulze	11	11	
dm	A42	4,898,175	02/06/90	Noguchi	11	11	
dm	A43	4,902,896	02/20/90	Fertig Sr. <i>et al.</i>	11	11	
dm	A44	4,916,534	4/10/90	Takahasi <i>et al.</i>	11	11	
dm	A45	4,928,172	05/22/90	Uehara <i>et al.</i>	11	11	
dm	A46	4,930,516	06/05/90	Alfano <i>et al.</i>	11	11	
dm	A47	4,938,602	07/03/90	May <i>et al.</i>	11	11	
dm	A48	4,981,138	01/01/91	Deckelbaum <i>et al.</i>	11	11	
dm	A49	5,001,556	03/19/91	Nakamura <i>et al.</i>	11	11	
dm	A50	5,009,655	04/23/91	Daignault, Jr. <i>et al.</i>	11	11	

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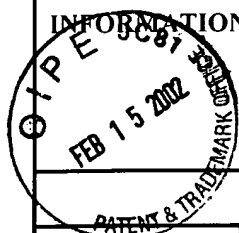
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U.S. PATENT DOCUMENTS

EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>dm</i>	A51	5,019,075	5/28/91	Spears et al.			
<i>dm</i>	A52	5,021,888	01/04/91	Knodou et al.			
<i>dm</i>	A53	5,034,010	07/23/91	Kittrell et al.			
<i>dm</i>	A54	5,036,853	8/6/91	Jeffcoat et al.			
<i>dm</i>	A55	5,042,494	08/27/91	Alfano			
<i>dm</i>	A56	5,045,056	09/03/91	Behl			
<i>dm</i>	A57	5,056,503	10/15/91	Nagasaki et al.			
<i>dm</i>	A58	5,062,428	11/05/91	Chance			
<i>dm</i>	A59	5,073,700	12/17/91	D'Onofrio			
<i>dm</i>	A60	5,106,387	04/21/92	Kittrell et al.			
<i>dm</i>	A61	5,115,137	05/19/92	Andersson-Engels			
<i>dm</i>	A62	5,116,759	05/26/92	Klainer et al.			
<i>dm</i>	A63	5,125,404	06/30/92	Kittrell et al.			
<i>dm</i>	A64	5,127,407	07/07/92	Tan			
<i>dm</i>	A65	5,131,398	07/21/92	Alfano et al.			
<i>dm</i>	A66	5,152,295	10/6/92	Kobayashi et al.			
<i>dm</i>	A67	5,166,755	11/24/92	Gat			
<i>dm</i>	A68	5,166,819	11/24/92	Eichel			
<i>dm</i>	A69	5,172,693	12/22/92	Doody			
<i>dm</i>	A70	5,174,297	12/29/92	Daikuzono			
<i>dm</i>	A71	5,187,572	02/16/93	Nakamura et al.			
<i>dm</i>	A72	5,187,672	02/16/93	Chance et al.			
<i>dm</i>	A73	5,190,538	3/2/93	Hussein et al.			
<i>dm</i>	A74	5,193,542	03/16/93	Missanelli et al.			
<i>dm</i>	A75	5,197,470	03/30/93	Helfer et al.			
<i>dm</i>	A76	5,198,658	03/30/93	Rydin			

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DATE CONSIDERED September 25, 2002

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FILING DATE: June 12, 2001

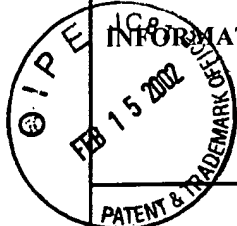
PATENT & TRADEMARK OFFICE U.S. PATENT DOCUMENTS

EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
dm	A77	5,199,431	4/6/93	Kittrell et al.			
dm	A78	5,201,318	4/13/93	Rava et al.			
dm	A79	5,206,174	04/27/93	Gehrke et al.			
dm	A80	5,213,569	5/25/93	Davis			
dm	A81	5,216,386	06/01/93	Wyatt			
dm	A82	5,222,477	6/29/93	Lia			
dm	A83	5,233,621	08/03/93	Lawandy			
dm	A84	5,242,437	09/07/93	Everett et al.			
dm	A85	5,261,410	11/16/93	Alfano et al.			
dm	A86	5,262,645	11/16/93	Lambert			
dm	A87	5,280,788	1/25/94	Janes et al.			
dm	A88	5,287,340	02/15/94	Chapman et al.			
dm	A89	5,304,173	4/19/94	Kittrell et al.			
dm	A90	5,305,748	04/26/94	Wilk			
dm	A91	5,309,907	05/10/94	Fang et al.			
dm	A92	5,318,024	06/07/94	Kittrell et al.			
dm	A93	5,335,663	8/9/94	Oakley et al.			
dm	A94	5,345,073	09/06/94	Chang et al.			
dm	A95	5,348,018	9/20/94	Alfano et al.			
dm	A96	5,350,375	09/27/94	Deckelbaum et al.			
dm	A97	5,351,532	10/04/94	Hager			
dm	A98	5,377,676	01/03/95	Vari et al.			
dm	A99	5,382,920	01/17/95	Jung			
dm	A100	5,383,467	1/24/95	Auer et al.			
dm	A101	5,386,827	02/07/95	Chance et al.			
dm	A102	5,398,844	03/21/95	Zaslavsky et al.			

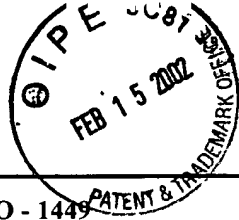
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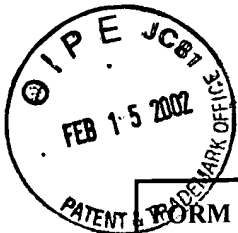


FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT					ATTY DOCKET NO.: BSC-009DV APPLICANT: Crowley SERIAL NO.: 09/879,433 FILING DATE: June 12, 2001		
U.S. PATENT DOCUMENTS							
EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
dm	A103	5,402,778	4/4/95	Chance			
dm	A104	5,402,792	04/04/95	Kimura			
dm	A105	5,402,801	04/04/95	Taylor			
dm	A106	5,404,881	4/11/95	Cathaud et al.			
dm	A107	5,405,369	04/11/95	Selman et al.			
dm	A108	5,408,992	4/25/95	Hamlin et al.			
dm	A109	5,408,998	04/25/95	Mersch			
dm	A110	5,413,108	5/9/95	Alfano			
dm	A111	5,417,207	05/23/95	Young et al.			
dm	A112	5,417,210	05/23/95	Funda et al.			
dm	A113	5,419,323	05/30/95	Kittrell et al.			
dm	A114	5,421,337	6/6/95	Richards-Kortum et al.			
dm	A115	5,421,339	06/06/95	Ramanujam et al.			
dm	A116	5,439,000	8/8/95	Gunderson et al.			
dm	A117	5,445,608	08/29/95	Chen et al.			
dm	A118	5,452,723	09/26/95	Wu et al.			
dm	A119	5,456,252	10/10/95	Vari et al.			
dm	A120	5,461,229	10/24/95	Sauter et al.			
dm	A121	5,467,767	11/21/95	Alfano et al.			
dm	A122	5,477,370	12/19/95	Little et al.			
dm	A123	5,512,757	4/30/96	Cederstrand et al.			
dm	A124	5,515,392	05/07/96	Teremy			
dm	A125	5,517,313	5/14/96	Colvin, Jr.			
dm	A126	5,517,997	05/21/96	Fontenot			
dm	A127	5,540,691	07/30/96	Elstrom et al.			
dm	A128	5,542,928	08/06/96	Evans et al.			
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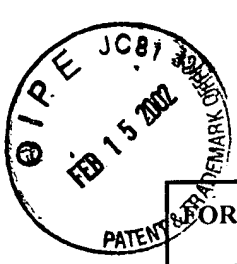
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U.S. PATENT DOCUMENTS							
EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
dm	A129	5,545,897	8/13/96	Jack			
dm	A130	5,553,614	09/10/96	Chance			
dm	A131	5,555,885	9/17/96	Chance			
dm	A132	5,556,421	09/17/96	Prutchi et al.			
dm	A133	5,562,100	10/8/96	Kittrell et al.			
dm	A134	5,571,152	11/05/96	Chen et al.			
dm	A135	5,579,773	12/3/96	Vo-Dinh et al.			
dm	A136	5,592,124	01/07/97	Mullins			
dm	A137	5,596,988	01/28/97	Markle et al.			
dm	A138	5,610,709	3/11/97	Arrington et al.			
dm	A139	5,617,857	4/8/97	Chader et al.			
dm	A140	5,626,139	05/06/97	Szeles et al.			
dm	A141	5,632,740	5/27/97	Koch et al.			
dm	A142	5,646,573	07/08/97	Bayruns et al.			
dm	A143	5,647,368	07/15/97	Zeng et al.			
dm	A144	5,696,657	12/09/97	Nourcier, Jr. et al.			
dm	A145	5,701,902	12/30/97	Vari et al.			
dm	A146	5,714,909	02/03/98	Jackson			
dm	A147	5,730,134	03/24/98	Dumoulin et al.			
dm	A148	5,743,260	04/28/98	Chung et al.			
dm	A149	5,767,538	06/16/98	Mullins et al.			
dm	A150	5,769,791	6/23/98	Benaron et al.			
dm	A151	5,785,658	07/28/98	Benaron et al.			
dm	A152	5,792,053	8/11/98	Skladnev et al.			
dm	A153	5,799,656	9/1/98	Alfano et al.			
EXAMINER				DATE CONSIDERED			

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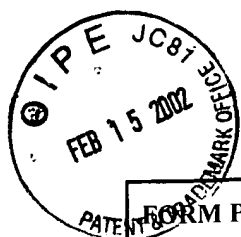
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U.S. PATENT DOCUMENTS							
EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
dm	A154	5,800,350	9/1/98	Coppleson et al.			
dm	A155	5,800,478	09/01/98	Chen et al.			
dm	A156	5,801,588	09/01/98	Nishiyama			
dm	A157	5,807,261	9/15/98	Benaron et al.			
dm	A158	5,819,736	10/13/98	Avny et al.			
dm	A159	5,829,878	11/3/98	Weiss et al.			
dm	A160	5,830,146	11/3/98	Skladnev et al.			
dm	A161	5,842,995	12/1/98	Mahadevan-Jansen et al.			
dm	A162	5,851,181	12/22/98	Talmor			
dm	A163	5,875,050	02/23/99	Ota			
dm	A164	5,879,289	3/9/99	Yarush et al.			
dm	A165	5,885,293	03/23/99	McDevitt			
dm	A166	5,893,364	4/13/99	Haar et al.			
dm	A167	5,902,247	5/11/99	Coe et al.			
dm	A168	5,908,294	6/1/99	Schick et al.			
dm	A169	5,928,137	07/27/99	Green			
dm	A170	5,941,822	8/24/99	Skladnev et al.			
dm	A171	6,096,065	8/1/00	Crowley			
dm	A172	6,119,031	9/12/00	Crowley et al			
dm	A173	6,149,591	11/21/00	Henderson et al.			
dm	A174	6,185,443	2/6/01	Crowley			
dm	A175	6,238,348	5/29/01	Crowley et al.			
dm	A176	6,240,312	5/29/01	Alfano et al.			
EXAMINER				DATE CONSIDERED			

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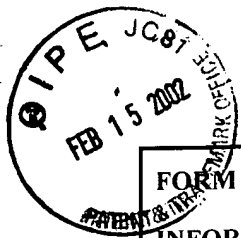
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FOREIGN PATENT DOCUMENTS									
EXAM INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
<i>dm</i>	B1	888 727	09/03/53	DE					N
<i>dm</i>	B2	30 23 130	01/21/82	DE					N
	B3	40 05 743 A1	08/29/91	DE					N
	B4	195 12 518	04/04/95	DE					N
	B5	0 304 321	2/22/89	EP				N	Y
	B6	0 314 937 A2	5/10/89	EP				N	Y
	B7	0 629 380	12/21/94	EP					Y
	B8	0 650 694 A1	05/03/95	EP					Y
	B9	0 728 440 A3	08/28/96	EP					N
	B10	0 777 119 A2	06/04/97	EP					N
<i>dm</i>	B11	0 792 618	09/03/97	EP				N	Y
	B12	0 920 831	06/09/99	EP					Y
<i>dm</i>	B13	02-223828	09/06/90	JP					N
	B14	05-235327	04/04/95	JP					N
<i>dm</i>	B15	07-88105	04/04/95	JP					N
<i>dm</i>	B16	07-289506	11/07/95	JP					N
<i>dm</i>	B17	08-83569	03/26/96	JP					N
<i>dm</i>	B18	09-192138	09/29/97	JP					N
<i>dm</i>	B19	WO 90/04352	05/03/90	PCT					Y
	B20	WO 90/12536	11/01/90	PCT					Y
	B21	WO 91/15151	10/17/91	PCT				N	
<i>dm</i>	B22	WO 92/14514	09/03/92	PCT				N	
	B23	WO 92/15253	09/17/92	PCT					
<i>dm</i>	B24	WO 94/13191	06/23/94	PCT				N	Y
	B25	WO 95/12349	05/11/95	PCT					Y
EXAMINER					DATE CONSIDERED				

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Jm	B26	WO 96/05693	PCT	—	—			Y	
	B27	WO 96/07451	PCT	—	—			Y	
	B28	WO 96/24406	PCT	—	—			Y	
Jm	B29	WO 96/39932	PCT	—	—		N	Y	
	B30	WO 97/01985	PCT	—	—		N	Y	
Jm	B31	WO 98/22805	PCT	—	—		N	Y	
OTHER ART, JOURNAL ARTICLES, ETC.									
EXA M. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
	C1	Anidjar, et al., "Ultraviolet Laser-Induced Autofluorescence Distinction Between Malignant and Normal Urothelial Cells and Tissues," <u>J. of Biomed. Optics</u> 1(3), 335-341 (July 1996).							
	C2	Bollinger, et al., "http://iqe.ethz.ch/fpst/Final_Report/M4/M4PO4-1.html, July 25, 1996 – LESIT Final Report 1995, Module 4 Microsensor Technology (Baltes), Project 4.4: Integrated UV-Sensor							
	C3	Coleman, et al., "Acoustic Emission and Sonoluminescence Due to Cavitation at the Beam Focus of an Electrohydraulic Shock Wave Lithotripter," <u>Ultrasound in Med. & Biol.</u> 18(3), 267,281 (1992).							
	C4	Cothren et al., "Gastrointestinal Tissue Diagnosis by Laser-Induced Fluorescence Spectroscopy at Endoscopy" <u>Gastro Endoscopy</u> , Vol. 36 No. 2, pp. 105-111, 1990.							
	C5	Crowley et al., "Ultrasound Guided Therapeutic Catheters: Recent Developments and Clinical Results," <u>Int'l Journal of Cardiac Imaging</u> 6 145-156 (1991).							
	C6	Huang et al., "Flourescence Diagnosis of Gynecological Cancerous and Normal Tissues," <u>SPIE</u> 2135 42-45 (1994).							
	C7	International Search Report for PCT/US97/20367 dated March 23, 1998							
	C8	International Search Report for PCT/US97/20435 dated May 19, 1998							
	C9	Kapadia et al, "Laser-induced fluorescence spectroscopy of human colonic mucosa", <u>Gastroenterology</u> , Vol. 29, pp. 150-157, 1990.							
	C10	Ko, "Biomedical Sensors and Actuators," <u>Electronics in Medicine and Biology</u> 26-53-26-68 (1989)							
	C11	Kopp, et al., "Stay Tuned: Photonic Filters Color Your World," <u>Photonics Spectra</u> 125-129 (March 1997)							
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OTHER ART, JOURNAL ARTICLES, ETC.			
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	C12	Lilge et al., "Light Induced Fluorescence Spectroscopy at Endoscopy", <u>Presented at the 10th Asisan Pacific Congress of Gastroenterology</u> , 1996.	
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	C15	Search Report, dated February 8, 1999.	
	C16	Vona et al., "A Test of the Hypothesis that Cavitation at the Focal Area of an Extracorporeal Shock Wave Lithotripter Produces Far Ultraviolet and Soft X-Ray Emissions", <u>J. Acoust. Soc. Am.</u> , Vol. 98 (2), pp. 706-711, (August 1995).	
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